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(54) PROPYLENE ELASTOMER

(57)Abstract:

PURPOSE: To obtain a propylene elastomer excellent in rigidity, heat resistance, scratch resistance, transparency, etc., by selecting an elastomer comprising a specified amount of propylene units and a specified amount of 1-butene units and having specified properties.

CONSTITUTION: An elastomer comprising 50-95mol% propylene units (A) and 5-50mol% 1-butene units (B) and having such properties that, when the ¹³C-NMR spectrum of the side chain CH₃ groups of the second unit A of a chain composed of three head-to-tail-bonded As or of a propylene/butene chain composed of three head-to-tail-bonded As and Bs and containing A as the second unit is measured and the total area of the peaks appearing in the range of 19.5-21.9ppm is taken as 100%, the area of the peak appearing in the range of 21.0-21.9ppm is 90% or above, that the intrinsic viscosity is 0.1-12dl/g as measured in decalin at 135°, that the molecular weight distribution (M_w/M_n) as determined by GPC is 3 or below, and that the parameter B value representing the randomness of the comonomer chain distribution is 1.0-1.5.

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